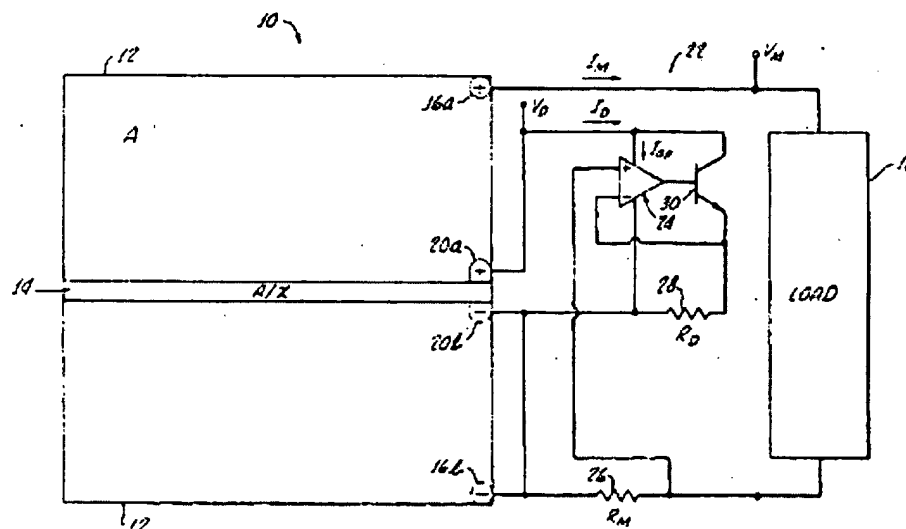


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**EP0997742****State-of-charge-measurable batteries**

Hewlett-Packard Company

**Inventor(s):** ;Owen, Geraint ;Myers, Timothy F.**Application No.** EP99308486 , **Filed** 19991027 , **A2 Published** 20000503 ,**Abstract:**

A storage device (10) allows the state of charge of a main battery (12) to be determined by measuring the state of charge of a dummy battery (14). The storage device (10) may provide power to an electronic appliance such as a portable computer (11). The main and dummy batteries (12 and 14) each have a storage capacity and a self-discharge rate. The storage capacity of the dummy battery (14) is less than the storage capacity of the main battery (12); for example, the storage capacity of the dummy battery (14) may be only about 1% of that of the main battery (12). The main and dummy batteries (12 and 14) are configured so that the self-discharge rates thereof are substantially equal. The storage device (10) also includes discharge circuitry (22) which is configured so that the dummy battery (14) discharges at a rate faster than the main battery (12) when a load is connected to and drawing current from the main battery (12).

**Int'l Class:** G01R03136**Priority:** US 181797 19981028

**Designated States:** AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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